



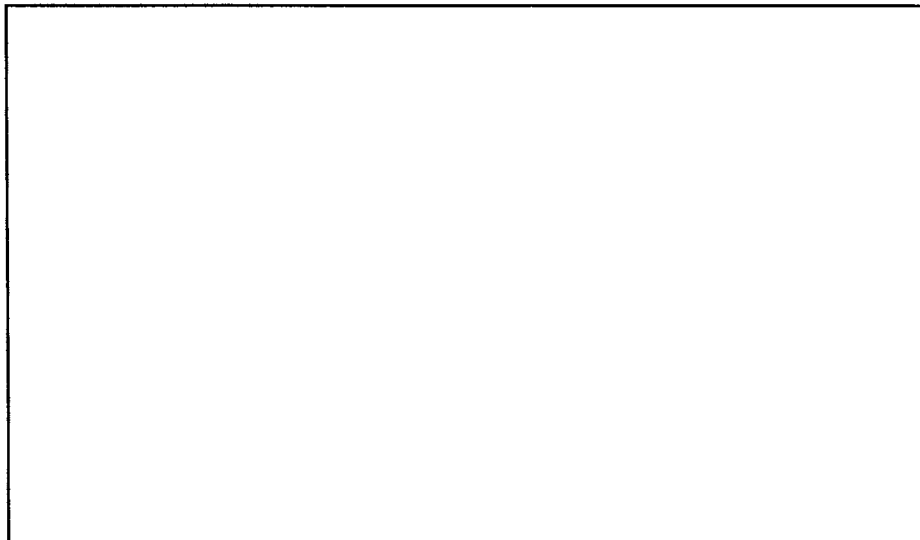
38HDC,QR-1SB

38HDC,QR018-060

**OUTDOOR UNITS
DUCT-FREE SYSTEMS**

—PERFORMANCE DATA

—CERTIFIED DIMENSION PRINT



Date:	Supersedes:	38HDC,QR018-060 OUTDOOR UNITS DUCT-FREE SYSTEMS	38HDC,QR	Rev:
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JOB DATA:	LOCATION:
BUYER:	BUYER P.O. # _____ CARRIER # _____
UNIT NUMBER:	MODEL NUMBER:
PERFORMANCE DATA CERTIFIED BY: _____	
DATE: _____	






CERTIFICATION APPLIES
 ONLY WHEN THE COMPLETE
 SYSTEM IS LISTED WITH ARI

DESCRIPTION

The 38HDC's and 38QR's are Carrier's most advanced line of commercial duty split system condensing units and heat pumps.

Their unique compact configuration and ultra low sound levels provides leadership performance on the most demanding installation where noise and space are key design features.

The 38HDC's and 38QR's are UL approved for separate sale with many types of ducted fan coils.

FEATURES

Standard one-year warranty on system Five-year compressor limited warranty 24-volt control circuit Accumulator Crankcase heater (reciprocating heat pump only)	High-pressure and loss-of-charge switches Acoustically lined compressor compartment Timed defrost (HP – std.; demand defrost on high wall units) Compressor safety lockout
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PERFORMANCE DATA

COOLING – See Duct-Free System Schedule Outdoor Design Temperature _____ °F db Cooling Capacity _____ Btuh Sensible Capacity _____ Btuh SEER/EER _____ Total Power Input _____ kW Fan Speed _____ Indoor Air Flow _____ Cfm Entering Air Temp _____ °F db _____ °F wb Leaving Air Temp _____ °F db _____ °F wb	HEATING – If applicable (Heat Pump Systems) Design Temperature _____ °F db Heating Capacity _____ Btuh (Instantaneous) Heating Capacity _____ Btuh (Integrated) HSPF/COP _____ High _____ Low
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OUTDOOR UNIT ELECTRICAL DATA

Outdoor Unit Power Supply _____ Volts _____ Phase _____ Hz
 Outdoor Max Fuse Amps _____

Outdoor Minimum Circuit Amps _____

OUTDOOR UNIT ACCESSORIES

☐ Low Ambient Kit ☐ Winter Start Kit (018 and larger) ☐ Crankcase Heater (Scroll only) ☐ Liquid Line Solenoid	☐ Hard Start Kit ☐ Isolation Relay (Heat Pump only) ☐ _____ ☐ _____
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CERTIFIED DIMENSION PRINT — 38HDC CONDENSING UNITS

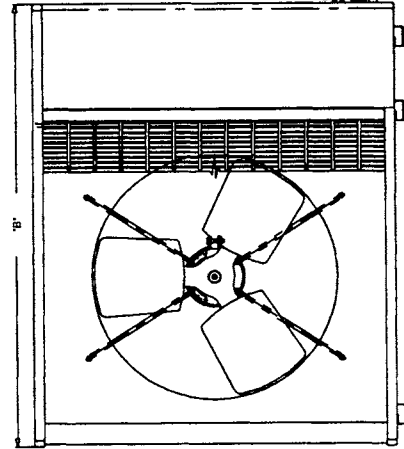
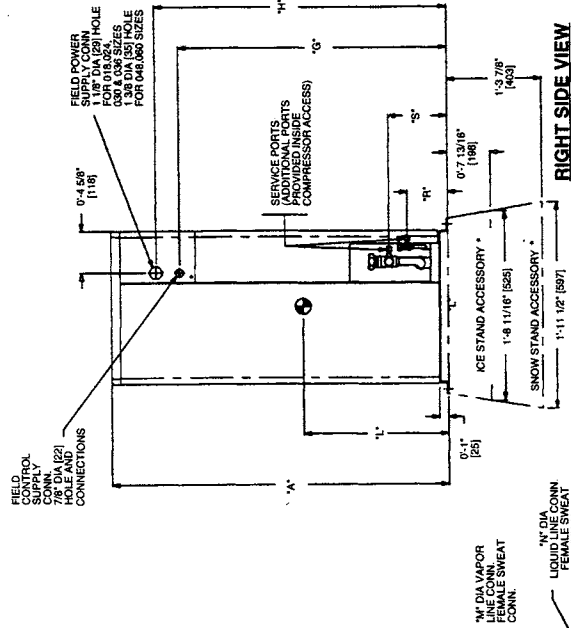
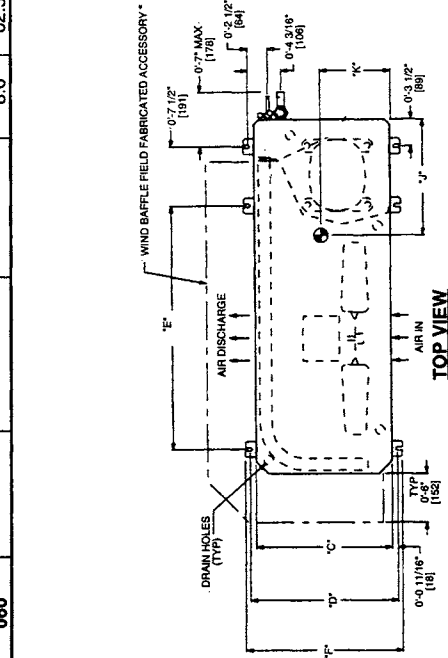
UNIT 38HDC	A		B		C		D		E		F		G		H		J		K		L		M		N		R		S		OPERATING WEIGHT	
	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	lb	kg
018	2-1/4	638.2	3-0%	938.2	1-2%	309.9	1-4	406.4	1-11/16	595.3	1-5%	436.6	1-5%	444.5	1-8%	511.2	1-1%	336.6	0-6%	188.3	0-10%	274.6	0-0%	15.00	0-0%	9.52	0-4%	115.0	0-6%	166.0	150	68.0
024	2-1/4	638.2	3-0%	938.2	1-2%	309.9	1-4	406.4	1-11/16	595.3	1-5%	436.6	1-5%	444.5	1-8%	511.2	1-2%	366.7	0-6%	171.4	1-0	304.8	0-0%	15.00	0-0%	9.52	0-4%	115.0	0-6%	166.0	154	69.0
030	2-1/4	638.2	3-0%	938.2	1-2%	309.9	1-4	406.4	1-11/16	595.3	1-5%	436.6	1-5%	444.5	1-8%	511.2	1-1	330.2	0-6%	171.4	0-11%	295.3	0-0%	19.05	0-0%	9.52	0-4%	115.0	0-6%	166.0	169	76.6
036	2-1/4	638.2	3-0%	938.2	1-2%	309.9	1-4	406.4	1-11/16	595.3	1-5%	436.6	1-5%	444.5	1-8%	511.2	1-0%	322.3	0-6%	171.4	0-11%	301.6	0-0%	22.22	0-0%	9.52	0-4%	115.0	0-6%	166.0	179	81.2
048	3-1/4	944.6	3-6%	1131.9	1-5%	433.4	1-6%	468.3	2-5%	774.7	1-7%	498.5	2-5%	752.5	2-8%	876.6	1-1%	347.7	0-6%	208.4	1-4%	409.6	0-0%	22.22	0-0%	9.52	0-4%	115.0	0-6%	166.0	270	122.4
060	3-1/4	944.6	3-6%	1131.9	1-5%	433.4	1-6%	468.3	2-6%	774.7	1-7%	498.5	2-5%	752.5	2-8%	876.6	1-2%	361.9	0-6%	208.4	1-4%	419.1	0-0%	22.22	0-0%	9.52	0-4%	115.0	0-6%	166.0	290	131.5

UNIT SIZE 38HDC	V-PH-HZ	OPERATING VOLTAGE MINIMUM	OPERATING VOLTAGE MAXIMUM	COMP FLA	FAN FLA	POWER	
						MCA	MOCP
018				8.0	49.0	7	15
024				12.9	62.5	7	25
030				15.0	76.0	7	30
036				17.9	88.0	7	40
048				26.4	129.0	1.45	60
060				28.9	165.0	1.45	60
036				11.4	77.0	7	25
048				15.0	99.0	1.45	35
060				16.0	125.0	1.45	35
036				5.7	38.5	4	15
048				8.2	49.5	8	15
060				8.0	62.5	8	15

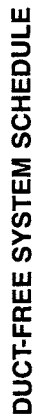
UNIT SIZE 38HDC	Support Feet		Snow Stand *		Ice Stand *	
	ft-in.	mm	ft-in.	mm	ft-in.	mm
018,024,030,036	1-11 x 3-6	584.2 x 1066.8	2-2 x 3-6	660.4 x 1066.8	2-2 x 3-6	660.4 x 1066.8
048,060	2-0 x 4-2	609.6 x 1270	2-4 x 4-4	711.2 x 1270.0	2-3 x 4-2	660.4 x 1270.0

* Field Fabricated

- NOTES:
- Required clearances, with coil facing wall, allow 6 in. minimum clearance on coil side and coil end, and 3 ft minimum clearance on compressor end and fan side. With fan facing wall, allow 8 in. minimum clearance on fan side and coil end, and 3 ft minimum clearance on compressor end and coil side. With multi-unit application, arrange units so discharge of one does not enter inlet of another.
 - Dimensions in parenthesis are in millimeters.
 - Center of gravity.



FRONT VIEW



DUCT-FREE SYSTEM SCHEDULE

NOTES:	1. Outdoor Type:	CU – Condensing Unit	HP – Heat Pump	MS – Multi-Split
	2. Indoor Type:	HW – Hi-Wall	UC – Under Ceiling (Suspended)	CS – Cassette
	3. Room Control:	WRIS – Wireless (Infrared)	24V EL – Electronic Stat	24V PR – Programmable Electronic Stat

NOTES:	1. Outdoor Type:	CU – Condensing Unit	HP – Heat Pump	MS – Multi-Split
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	3. Room Control:	WRIS – Wireless (Infrared)	24V EL – Electronic Stat	24V PR – Programmable Electronic Stat

CERTIFIED DIMENSION PRINT — 38QR-C HEAT PUMP

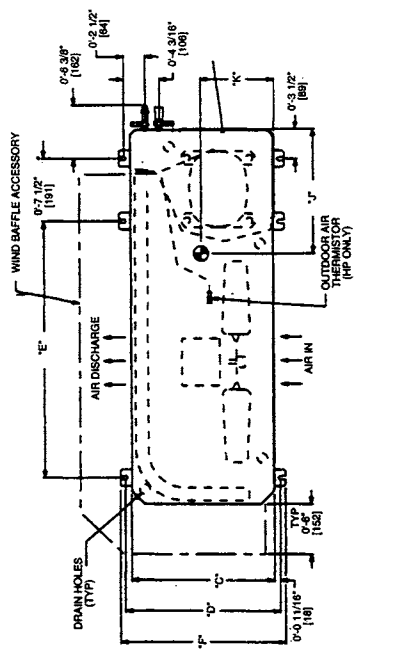
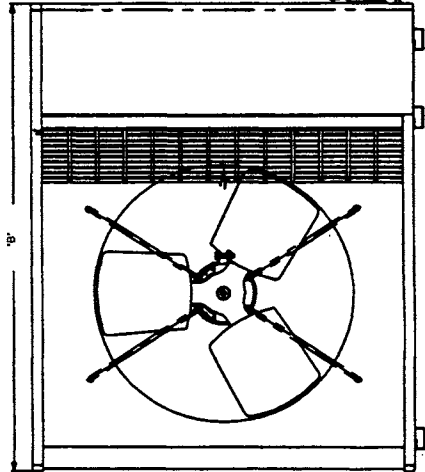
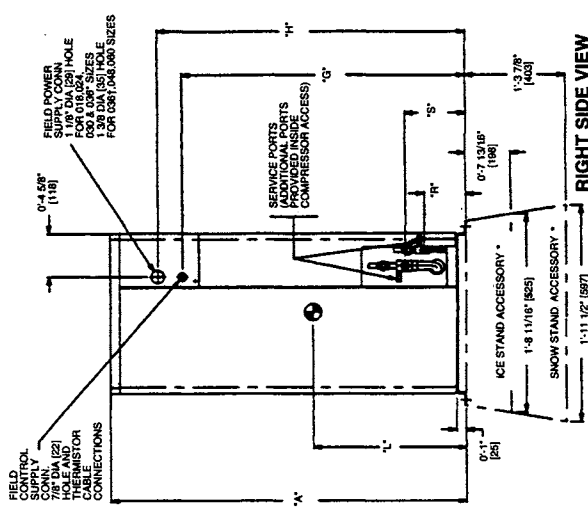
UNIT 38QR-C	A		B		C		D		E		F		G		H		J		K		L		M		N		R		S		OPERATING WEIGHT	
	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	ft-in.	mm	lb	kg
018	2-1/4	635.2	3-0%	938.2	1-2%	369.9	1-4	406.4	1-11/16	595.3	1-5%	436.6	1-5%	444.5	1-8%	511.2	1-1	330.2	0-6%	168.3	0-11/16	295.8	0-0%	15.88	0-0%	9.52	0-4%	115.0	0-6%	166.0	154	69.8
024	2-1/4	635.2	3-0%	938.2	1-2%	369.9	1-4	406.4	1-11/16	595.3	1-5%	436.6	1-5%	444.5	1-8%	511.2	1-1	330.2	0-6%	171.5	0-11/16	295.3	0-0%	15.88	0-0%	9.52	0-4%	115.0	0-6%	166.0	167	75.7
030	2-1/4	635.2	3-0%	938.2	1-2%	369.9	1-4	406.4	1-11/16	595.3	1-5%	436.6	1-5%	444.5	1-8%	511.2	1-1	330.2	0-6%	171.5	0-11/16	295.3	0-0%	15.88	0-0%	9.52	0-4%	115.0	0-6%	166.0	180	81.6
036*	2-1/4	635.2	3-0%	938.2	1-2%	369.9	1-4	406.4	1-11/16	595.3	1-5%	436.6	1-5%	444.5	1-8%	511.2	1-1	330.2	0-6%	171.5	0-11/16	295.3	0-0%	15.88	0-0%	9.52	0-4%	115.0	0-6%	166.0	184	83.5
036†	3-1/4	944.6	3-8%	1131.9	1-5%	433.4	1-6%	468.3	2-6%	774.7	1-7%	498.5	2-5%	752.5	2-8%	817.6	1-1/4	382.4	0-8%	209.5	1-4	406.4	0-0%	19.05	0-0%	9.52	0-4%	115.0	0-6%	166.0	249	112.9
048	3-1/4	944.6	3-8%	1131.9	1-5%	433.4	1-6%	468.3	2-6%	774.7	1-7%	498.5	2-5%	752.5	2-8%	817.6	1-1/4	347.7	0-8%	206.4	1-3%	403.2	0-0%	22.22	0-0%	9.52	0-4%	115.0	0-6%	166.0	252	114.3
060	3-1/4	944.6	3-8%	1131.9	1-5%	433.4	1-6%	468.3	2-6%	774.7	1-7%	498.5	2-5%	752.5	2-8%	817.6	1-2/4	368.3	0-8%	206.4	1-3%	403.2	0-0%	22.22	0-0%	9.52	0-4%	115.0	0-6%	166.0	272	123.4

UNIT SIZE 38QR-C	MINIMUM MOUNTING PAD DIMENSIONS					
	Support Feet			Snow Stand*		
	ft-in.	mm	ft-in.	ft-in.	mm	ft-in.
018, 024, 030, 036*	1-11 x 3-6	584.2 x 1066.8	2-2 x 3-6	660.4 x 1066.8	2-2 x 3-6	660.4 x 1066.8
036†, 048, 060	2-0 x 4-2	609.6 x 1270	2-4 x 4-4	711.2 x 1270.0	2-3 x 4-2	680.4 x 1270.0

* Field-Fabricated Accessory

NOTES:

1. Required clearances, with coil facing wall; allow 6 in. minimum clearance on coil side and coil end, and 3 ft minimum clearance on compressor end and fan side. With fan facing wall, allow 8 in. minimum clearance on fan side and coil end, and 3 ft minimum clearance on compressor end and coil side. With multi-unit application, arrange units so discharge of one does not enter inlet of another.
2. Dimensions in [] are in millimeters.
3. Center of gravity.



LEGEND

- CONN — Connection
- * Single-phase
- † 3-phase